

A1.
B1
wherein said [first and second] cold portion [portions]
receives electrical power from an electrical power source for
rapidly heating said inside tube.

A2.
B1
19. A fluid heating system comprising:

a fluid heat exchanger defining a rapidly heatable inside
tube;

a hollow outside [inside] tube surrounding said inside
tube;

a fluid passing between said inside tube and said outside
tube for circulation through said fluid heating system;

a temperature control system having at least one sensor
located along said fluid heat exchanger in sensing communication
with said fluid, said temperature control system controlling the
operation of said heatable inside tube by regulating said fluid
temperature within a predetermined range based on fluid
temperature readings taken by said temperature control system;

wherein said inside tube is rapidly heated by said
temperature control system such that said fluid is rapidly
heated to within said predetermined range for use in said fluid
heating system.

REMARKS

Claims 17 and 19 have been amended to better clarify and
distinctly claim what the applicants consider as their
invention. In particular, claim 17 has been amended to replace
"first and second cold portions" with "cold portion" as well as
replacing "inside and outside ends" with proximal and distal
ends" throughout the claim. Further, claim 19 has been amended

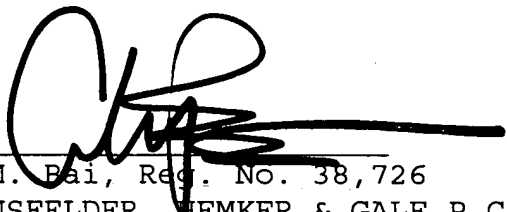
to replace the term "inside" with "outside" in order to correctly recite the structural elements of the invention.

By present amendment, the applicants have amended claims 17 and 19 to specifically recite structural elements neither shown nor suggested in the prior art and to make clear the manner in which those elements cooperate to provide the unique advantages of the present invention. The applicants aver that no new matter is being introduced by virtue of the amendment to the claims and that proper antecedent basis is provided in the specification for these claims amendments. The Examiner is invited to call the undersigned attorney collect if he or she has any questions regarding this amendment.

Respectfully submitted,

July 26, 2002

Date



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94004-88216
PATENT

Exhibit A – Marked up Version of Amended Claims

CLAIMS

17. (Amended) The fluid heat exchanger according to claim 13 wherein said inside tube
5 further comprises [first and second] a cold [portions] portion having opposed [inside] proximal
and [outside] distal ends, said [outside] distal ends of said [first] cold portion [and said second
cold portion] extending outwardly from opposing ends of said inside tube, said hot portion
interposed between said [first and second] cold portion [portions] for connection with respective
said [inside] proximal ends of said [first and second] cold portion [portions] within said inside
10 tube;

wherein said [first and second] cold portion [portions] receives electrical power from an
electrical power source for rapidly heating said inside tube.

15 19. (Amended) A fluid heating system comprising:
a fluid heat exchanger defining a rapidly heatable inside tube;
a hollow outside [inside] tube surrounding said inside tube;
a fluid passing between said inside tube and said outside tube for circulation through said
fluid heating system;

20 a temperature control system having at least one sensor located along said fluid heat
exchanger in sensing communication with said fluid, said temperature control system controlling
the operation of said heatable inside tube by regulating said fluid temperature within a
predetermined range based on fluid temperature readings taken by said temperature control
system;

25 wherein said inside tube is rapidly heated by said temperature control system such that
said fluid is rapidly heated to within said predetermined range for use in said fluid heating
system.